VOLUME CONTENTS

Diabetic Medicine

Journal of the British Diabetic Association

Contents Volume 10 Numbers 1–10

January/February 1993 Number 1

DM Diary 4

Editorial **Diabetic Medicine** *A. J. M. Boulton* 7

Review **Cultural and Religious Influences in Diabetes Care in Great Britain** *K. Hawthorne, M. Mello, S. Tomlinson* 8

Comment **Altered Structural and Dynamic Properties of Blood Cell Membranes in Diabetes Mellitus** *C. Watala* 13

Original Articles **Increased Red Cell Aggregation in Diabetes Mellitus: Association with Cardiovascular Risk Factors** *S. M. MacRury, S. E. Lennie, P. McColl, R. Balendra, A. C. MacCuish, G. D. O. Lowe* 21

Insulin Therapy in Type 2 Diabetic Subjects Suppresses Plasminogen Activator Inhibitor (PAI-1) Activity and Proinsulin-like Molecules Independently of Glycaemic Control *S. K. Jain, D. K. Nagi, B. M. Slavin, P. J. Lumb, J. S. Yudkin* 27

Association of Erythrocyte Aldose Reductase Activity with Diabetic Complications in Type 1 Diabetes Mellitus *Y. Hamada, R. Kitoh, P. Raskin* . 33

Acute Effects of Local Hyperglycaemia on Peripheral Blood Flow in Man *A. J. H. M. Houben, N. C. Schaper, A. C. Nieuwenhuijzen Kruseman* 39

Hypersection of Truncated Glucagon-like Peptide-1 and Gastric Inhibitory Polypeptide in Obese Patients *N. Fukase, M. Igarashi, H. Takahashi, H. Manaka, K. Yamatani, M. Daimon, M. Tominaga, H. Sasaki* 44

Changes in Glucose Disposal and Cellular Insulin Binding in Obese Black South African Patients with Type 2 Diabetes Mellitus Before and After Sulphonylurea Therapy *J. R. Wing, V. R. Panz, B. I. Joffe, H. C. Seftel* 50

Is Serum Anhydroglucitol an Alternative to the Oral Glucose Tolerance Test for Diabetes Screening? *D. A. Robertson, K. G. M. M. Alberti, G. K. Dowse, P. Zimmet, J. Toumilehto, H. Gareeboo for the Mauritius Noncommunicable Disease Study Group* 56

Does Ethanol Cause Hypoglycaemia in Overnight Fasted Patients with Type 1 Diabetes? *K. T. Moriarty, D. G. Maggs, I. A. Macdonald, R. B. Tattersall* 61

Effect of Metabolic Control on Autonomic Function in Obese Patients with Newly Diagnosed Type 2 Diabetes *E. Vanninen, M. Uusitupa, E. Länsimies, O. Siitonen, J. Laitinen* 66

Self-care Behaviour and Blood Glucose Control in Young Adults with Type 1 Diabetes Mellitus *R. C. Peveler, B. A. Davies, R. A. Mayou, C. G. Fairburn, J. I. Mann* 74

Sharing the Care of Diabetic Patients between Hospital and General Practitioners: Does it Work? *P. L. Hoskins, P. M. Fowler, M. Constantino, J. Forrest, D. K. Yue, J. R. Turtle* 81

Evidence for an Increase in the Prevalence of Known Diabetes in a Sample of an Urban Population in Greece *N. Katsilambros, K. Aliferis, Ch. Darviri, P. Tsapogas, Z. Alexiou, N. Tritos, M. Arvanitis* 87

Letter **Provision of Biochemical Tests for Diabetes Clinics: Findings of a National Survey** *A. Waise, K. Wiener* 91

Media Review 92

VOLUME CONTENTS

Diabetic Medicine

Journal of the British Diabetic Association

Contents Volume 10 Numbers 1–10

January/February 1993 Number 1

DM Diary 4

Editorial **Diabetic Medicine** *A. J. M. Boulton* 7

Review **Cultural and Religious Influences in Diabetes Care in Great Britain** *K. Hawthorne, M. Mello, S. Tomlinson* 8

Comment **Altered Structural and Dynamic Properties of Blood Cell Membranes in Diabetes Mellitus** *C. Watala* 13

Original Articles **Increased Red Cell Aggregation in Diabetes Mellitus: Association with Cardiovascular Risk Factors** *S. M. MacRury, S. E. Lennie, P. McColl, R. Balendra, A. C. MacCuish, G. D. O. Lowe* 21

Insulin Therapy in Type 2 Diabetic Subjects Suppresses Plasminogen Activator Inhibitor (PAI-1) Activity and Proinsulin-like Molecules Independently of Glycaemic Control *S. K. Jain, D. K. Nagi, B. M. Slavin, P. J. Lumb, J. S. Yudkin* 27

Association of Erythrocyte Aldose Reductase Activity with Diabetic Complications in Type 1 Diabetes Mellitus *Y. Hamada, R. Kitoh, P. Raskin* . 33

Acute Effects of Local Hyperglycaemia on Peripheral Blood Flow in Man *A. J. H. M. Houben, N. C. Schaper, A. C. Nieuwenhuijzen Kruseman* 39

Hypersection of Truncated Glucagon-like Peptide-1 and Gastric Inhibitory Polypeptide in Obese Patients *N. Fukase, M. Igarashi, H. Takahashi, H. Manaka, K. Yamatani, M. Daimon, M. Tominaga, H. Sasaki* 44

Changes in Glucose Disposal and Cellular Insulin Binding in Obese Black South African Patients with Type 2 Diabetes Mellitus Before and After Sulphonylurea Therapy *J. R. Wing, V. R. Panz, B. I. Joffe, H. C. Seftel* 50

Is Serum Anhydroglucitol an Alternative to the Oral Glucose Tolerance Test for Diabetes Screening? *D. A. Robertson, K. G. M. M. Alberti, G. K. Dowse, P. Zimmet, J. Toumilehto, H. Gareeboo for the Mauritius Noncommunicable Disease Study Group* 56

Does Ethanol Cause Hypoglycaemia in Overnight Fasted Patients with Type 1 Diabetes? *K. T. Moriarty, D. G. Maggs, I. A. Macdonald, R. B. Tattersall* 61

Effect of Metabolic Control on Autonomic Function in Obese Patients with Newly Diagnosed Type 2 Diabetes *E. Vanninen, M. Uusitupa, E. Länsimies, O. Siitonen, J. Laitinen* 66

Self-care Behaviour and Blood Glucose Control in Young Adults with Type 1 Diabetes Mellitus *R. C. Peveler, B. A. Davies, R. A. Mayou, C. G. Fairburn, J. I. Mann* 74

Sharing the Care of Diabetic Patients between Hospital and General Practitioners: Does it Work? *P. L. Hoskins, P. M. Fowler, M. Constantino, J. Forrest, D. K. Yue, J. R. Turtle* 81

Evidence for an Increase in the Prevalence of Known Diabetes in a Sample of an Urban Population in Greece *N. Katsilambros, K. Aliferis, Ch. Darviri, P. Tsapogas, Z. Alexiou, N. Tritos, M. Arvanitis* 87

Letter **Provision of Biochemical Tests for Diabetes Clinics: Findings of a National Survey** *A. Waise, K. Wiener* 91

Media Review 92

Statistical Guidelines 93

Diabetes Care — **Contents Page – Volume 15 Number 11 (1992)** *by arrangement with the American Diabetes Association* 95

March 1993 — Number 2

Forthcoming Papers 100

DM Diary 101

Editorial — **Statistics in Diabetic Medicine** *S. Hollis* 103

Review — **Bioartificial Pancreas** *G. Reach* 105

Original Articles — **A Prospective Study of Sensory Function in Patients with Type 2 Diabetes** *J. M. Sosenko, M. Kato, R. Soto, D. E. Bild* 110

Overt Diabetic Neuropathy: Repair of Axo-glial Dysjunction and Axonal Atrophy by Aldose Reductase Inhibition and its Correlation to Improvement in Nerve Conduction Velocity *A. A. F. Sima, A. Prashar, V. Nathaniel, V. Bril, M. R. Werb, D. A. Greene* 115

Prothrombotic and Antithrombotic Factors are Elevated in Patients with Type 1 Diabetes Complicated by Microalbuminuria *P. Lee, A. Jenkins, C. Bourke, J. Santamaria, C. Paton, E. Janus, J. Best* 122

An Evaluation of Bone Density and Turnover in Premenopausal Women with Type 1 Diabetes Mellitus *S. J. Gallacher, J. A. K. Fenner, B. M. Fisher, J. D. Quin, W. D. Fraser, F. C. Logue, R. A. Cowan, I. T. Boyle, A. C. MacCuish* 129

Long-term Effect of Acarbose on Glycaemic Control in Non-insulin-dependent Diabetes Mellitus: a Placebo-controlled Double-blind Study *N. Hotta, H. Kakuta, T. Sano, H. Matsumae, H. Yamada, S. Kitazawa, N. Sakamoto* 134

Insulin Insensitivity is Associated with a Decrease in Postprandial Thermogenesis in Normal Pregnancy *S. Robinson, J. Viira, J. Learner, S.-P. Chan, V. Anyaoku, R. W. Beard, D. G. Johnston* 139

The Relationship Between Obesity, Plasma Immunoreactive Insulin Concentration and Blood Pressure in Newly Diagnosed Indian Type 2 Diabetic Patients *C. S. Yajnik, S. S. Naik, D. S. Bhat, V. M. Joshi, K. M. Shelgikar, K. G. M. M. Alberti, T. D. R. Hockaday* 146

The Role of Plasma Non-esterified Fatty Acids During Exercise in Type 2 Diabetes Mellitus *T. S. Berrish, C. Elliott, B. G. Cooper, J. W. Reed, H. Orskov, K. G. M. M. Alberti, M. Walker* 152

Growth Hormone Levels in Patients with Type 1 Diabetes are Age Related *M. I. Wurzburger, G. M. Prelevic, P. H. Sonksen, L. Balint-Peric* 159

Use of Fructosamine and Glycated Haemoglobin to Verify Self Blood Glucose Monitoring Data in Diabetic Pregnancy *V. J. Parfitt, J. D. A. Clark, G. M. Turner, M. Hartog* 162

A Model for Early Diagnosis of Type 2 Diabetes Mellitus in Primary Health Care *D. K. G. Andersson, E. Lundblad, K. Svärdsudd* 167

Case Report — **Long-term Use of Intramuscular Insulin Therapy in a Type 1 Diabetic Patient with Subcutaneous Insulin Resistance** *J. H. Brossard, J. Havrankova, D. Rioux, S. Bertrand, P. D'Amour* 174

Living with Diabetes — **Diabetes Education: An Asian Perspective** *E. Wilson, E. V. Wardle, P. Chandel, S. Walford* 177

International Scene — **Hypoglycaemic Admissions Among Diabetic Patients in Soweto, South Africa** *G. V. Gill, K. R. Huddle* 181

Use of Insulin for 50 Years or More in North Canterbury, New Zealand *H. Lunt, L. J. Brown, W. P. Lake, K. L. Hegan* 184

Meeting Report — **The Tenth Anglo–Danish–Dutch Diabetes Group Meeting** *A. Hattersley* 187

Letters — **IDDM in sub-Saharan Africa** *A. B. M. Swai, D. G. McLarty, K. G. M. M. Alberti* 188

Reply from Makame *et al.* 188

Diabetes Care — **Contents Pages – Volume 15 Number 12 (1992) and Volume 16 Number 1 (1993)** *by arrangement with the American Diabetes Association* 189

VOLUME CONTENTS

April 1993 — Number 3

DM Diary 196

Erratum 197

Forthcoming Papers 197

Editorial
Compiling a District Diabetic Register: Theoretical and Practical Considerations *S. D. Burnett, M. Press, J. S. Yudkin* 199

Reviews
The Skin in Diabetes *J. E. Jelinek* 201
Aldose Reductase Inhibitors and the Complications of Diabetes Mellitus *D. R. Tomlinson* 214

Original Articles
Frequency and Symptoms of Hypoglycaemia Experienced by Patients with Type 2 Diabetes Treated with Insulin *D. A. Hepburn, K. M. MacLeod, A. C. H. Pell, I. J. Scougal, B. M. Frier* 231
Frequency and Morbidity of Severe Hypoglycaemia in Insulin-treated Diabetic Patients *K. M. MacLeod, D. A. Hepburn, B. M. Frier* 238
An Analysis of the Glucagon Response to Hypoglycaemia in Patients with Type 1 Diabetes and in Healthy Subjects *D. Liu, U. Adamson, P.-E. Lins, N. Clausen-Sjöbom* 246
Sudden Death and Human Insulin: Is There a Link? *K. Borch-Johnsen, K. Helweg-Larsen* 255
A Novel Device for the Rapid In-clinic Measurement of Haemoglobin A_{1c} *R. M. Pope, J. M. Apps, M. D. Page, K. Allen, H. J. Bodansky* 260
Diabetes in the Elderly: An Under-diagnosed Condition *D. Simmons, D. R. R. Williams* 264
Outpatient Treatment of Unilateral Diabetic Foot Ulcers with 'Half Shoes' *E. Chantelau, U. Breuer, A. C. Leisch, T. Tanudjaja, M. Reuter* 267
Ethnic Differences in the Incidence of Lower Extremity Amputation Secondary to Diabetes Mellitus *J. S. Gujral, P. G. McNally, B. P. O'Malley, A. C. Burden* 271

Clinical Practice
Smoking in Diabetic Teenagers *N. J. Shaw, R. J. McClure, S. Kerr, K. Lawton, C. S. Smith* 275
Ketoacidosis in Diabetic Pregnancy *J. A. Kilvert, H. O. Nicholson, A. D. Wright* 278
Persisting Mortality in Diabetic Ketoacidosis *A. Basu, C. F. Close, D. Jenkins, A. J. Krentz, M. Nattrass, A. D. Wright* 282
Coming of Age with Diabetes: Patients' Views of a Clinic for Under-25 year olds *C. Eiser, M. Flynn, E. Green, T. Havermans, R. Kirby, D. Sandeman, J. E. Tooke* 285

International Scene
Outcome of Pregnancy in Diabetic Women in Soweto, South Africa 1983–1992 *K. Huddle, M. England, A. Nagar* 290

Letters
Continuing Audit of Diabetes Service *D. E. Price* 295
Reply from Williams and Home *D. R. R. Williams, P. D. Home* 295
The Effect of a City-wide Mass Media Campaign on the Public Awareness of Diabetes *D. Simmons* 295

Diabetes Care
Contents Page – Volume 16 Number 2 (1993) *by arrangement with the American Diabetes Association* 296

May 1993 — Number 4

Correction Notice
Servier Laboratories Ltd 301

Forthcoming Papers 301

DM Diary 302

VOLUME CONTENTS

Editorial

Databases and Diabetes: Dogsbodies or Devils? *P. D. Home* 303

Original Articles

Insulin Deficiency Rather Than Hyperinsulinaemia in Newly Diagnosed Type 2 Diabetes Mellitus *M. J. Davies, J. Metcalfe, I. P. Gray, J. L. Day, C. N. Hales.* 305

Insulin Deficiency and Increased Plasma Concentration of Intact and 32/33 Split Proinsulin in Subjects with Impaired Glucose Tolerance *M. J. Davies, G. Rayman, I. P. Gray, J. L. Day, C. N. Hales* 313

Hyperglycaemic Progression in Subjects with Impaired Glucose Tolerance: Association with Decline in Beta Cell Function *J. T. E. Cook, R. C. L. Page, J. C. Levy, M. S. Hammersley, E. K. N. Walravens, R. C. Turner* 321

Plasma Concentrations of Islet Amyloid Polypeptide After Glucagon Administration in Type 2 Diabetic Patients and Non-diabetic Subjects *B. C. van Jaarsveld, W. H. L. Hackeng, C. J. M. Lips, D. W. Erkelens* 327

A Comparison of Different Methods of Assessing Free Radical Activity in Type 2 Diabetes and Peripheral Vascular Disease *S. M. MacRury, D. Gordon, R. Wilson, H. Bradley, C. G. Gemmell, J. R. Paterson, A. G. Rumley, A. C. MacCuish*..... 331

Thrombin Generation and Factor VIII:C Levels in Patients with Type 1 Diabetes Complicated by Nephropathy *S. H. Ibbotson, H. Rayner, M. H. Stickland, J. A. Davies, P. J. Grant*..... 336

Calcium Metabolism in Diabetes Mellitus: Effect of Improved Blood Glucose Control *N. C. Thalassinos, P. Hadjiyanni, M. Tzanela, C. Alevizaki, D. Philokiprou*..... 341

High Prevalence of Diabetes in Chronic Leg Ulcer Patients: a Cross-sectional Population Study *O. Nélzen, D. Bergqvist, A. Lindhagen*..... 345

A Simple Economic Evaluation Model for Selecting Diabetes Health Care Strategies *J. J. Gagliardino, E. M. Olivera, H. Barragán, R. A. Puppo* 351

The Effect of Acarbose on Blood Glucose Profiles of Type 2 Diabetic Patients Receiving Insulin Therapy *N. Hotta, H. Kakuta, N. Koh, F. Sakakibara, T. Haga, T. Sano, M. Okuyama, N. Sakamoto*..... 355

Clinical Practice

Diabetes Mellitus and Employment: Survey of a New Zealand Workforce *J. Baker, R. Scragg, P. Metcalf, E. Dryson* 359

Diabetes Mellitus and Employment: is there Discrimination in the Workplace? *J. Baker, R. Scragg, P. Metcalf, E. Dryson* 362

A Single Visit Diabetes Complication Assessment Service: a Complement to Diabetes Management at the Primary Care Level *M. McGill, L. M. Molyneaux, D. K. Yue, J. R. Turtle*..... 366

Working Party Reports

Monitoring the Targets of the St Vincent Declaration and the Implementation of Quality Management in Diabetes Care: the DiabCare Initiative *K. Piwernetz, P. D. Home, O. Snorgaard, M. Antsiferov, K. Staehr-Johansen, M. Krans, for the DiabCare Monitoring Group of the St Vincent Declaration Steering Committee* 371

A Dataset to Allow Exchange of Information for Monitoring Continuing Diabetes Care *A. E. Wilson, P. D. Home, for the Diabetes Audit Working Group of the Research Unit of the Royal College of Physicians and the British Diabetic Association* 378

Meeting Report

Inaugural Meeting of the Senior Registrars' Club, York, 1992 *C. W. Bodmer.* 391

Letter

Increased Insulin Requirement in a Patient with Type 1 Diabetes on Rifampicin *S. L. Atkin, E. A. Masson, C. W. Bodmer, B. A. Walker, M. C. White*..... 392

June 1993 **Number 5**

Forthcoming Papers 397

DM Diary 398

Editorial

Post-prandial Lipid Metabolism: Important for Atherosclerosis Research and Future Clinical Practice *J. D. Dean*..... 400

VOLUME CONTENTS

Review

Blood Glucose and Glycated Haemoglobin Measurement in Hospital: Which Method? *J. C. Pickup, M. A. Crook, P. Tutt* ... 402

Original Articles

Hyperinsulinaemia is Associated with Stimulation of Cholesterol Synthesis in Both Type 1 and Type 2 Diabetes *J. C. Stinson, D. Owens, P. Collins, A. Johnson, G. H. Tomkin* ... 412

The Regulation of Post-prandial Cellular Cholesterol Metabolism in Type 2 Diabetic and Non-diabetic Subjects *J. C. Stinson, D. Owens, P. Collins, A. Johnson, G. H. Tomkin* ... 420

Improved Blood Glucose Control by Insulin Therapy in Type 2 Diabetic Patients Has No Effect on Lipoprotein(a) Levels *B. H. R. Wolffenbuttel, P. B. Leurs, J. P. J. E. Sels, G. J. W. M. Rondas-Colbers, P. P. C. A. Menheere, A. C. Nieuwenhuizen Kruseman* ... 427

Possible Link Between a Low Prevalence of Cardiovascular Disease and Mild Dyslipidaemia: a Study in Japanese Patients with Type 2 Diabetes *T. Aizawa, M. Kobayashi, Y. Sato, M. Tozuka, F. Ishihara, N. Okada, S. Shigematsu, M. Komatsu, K. Hiramatsu, K. Yamauchi, I. Komiya, T. Yamada, M. Kanai, Z. Honda* ... 431

Fetal Outcome in Mothers with Impaired Glucose Tolerance in Pregnancy *R. N. Roberts, J. M. Moohan, R. L. K. Foo, J. M. G. Harley, A. I. Traub, D. R. Hadden* ... 438

Perimenstrual Symptoms in Women with Diabetes Mellitus and the Relationship to Diabetic Control *E. H. H. Cawood, J. Bancroft, J. M. Steel* .. 444

Prognosis of Acute Myocardial Infarction in Diabetic and Non-diabetic Patients *B. W. Karlson, J. Herlitz, Å. Hjalmarson* ... 449

Segmental Tubular Sodium Reabsorption in Type 1 Diabetes *H. Dieperink, O. Eshøj, P. P. Leyssac, B. Feldt-Rasmussen* ... 455

Indomethacin But Not Metoprolol Reduces Exercise-induced Albumin Excretion Rate in Type 1 Diabetic Patients with Microalbuminuria *S. Rudberg, G. Sätterström, R. Dahlqvist, G. Dahlquist* ... 460

The Scanning Laser Ophthalmoscope and Retinal Assessment in Diabetes *R. M. Pope, A. King, M. Geall, B. M. Martin* ... 465

Differential Metabolic Actions of Biosynthetic Insulin Analogues in Normal Man Assessed by Stable Isotopic Tracers *S. V. Gelding, N. Coldham, V. Anyaoku, K. Heslop, D. Halliday, D. G. Johnston* ... 470

No Pharmacokinetic Effect of Retaining the Infusion Site up to Four Days During Continuous Subcutaneous Insulin Infusion Therapy *P. O. Olsson, H. Arnqvist, J. Asplund* ... 477

Living with Diabetes

Are the Social Relationships of Young Insulin-dependent Diabetic Patients Affected by Their Condition? *C. E. Lloyd, N. Robinson, B. Andrews, M. A. Elston, J. H. Fuller* ... 481

Letter

Multiple Insulin Injections: Effect on Diabetes Control and Body Weight *H. Dorchy* ... 486

Media Review ... 487

Diabetes Care

Contents Page—Volume 16 Number 4 (1993) *by arrangement with the American Diabetes Association* ... 488

July 1993 — Number 6

Forthcoming Papers ... 493

DM Diary ... 495

Editorial

Footwear and Orthoses for Diabetic Patients *A. B. Ward* ... 497

Reviews

Complications of Diabetes in Childhood *J. P. H. Shield, J. D. Baum* ... 499

Recurrent Severe Hypoglycaemia and Cognitive Function in Type 1 Diabetes *A. E. Gold, I. J. Deary, B. M. Frier* ... 503

Original Articles

Diet Treatment of Newly Presenting Type 2 Diabetes Improves Insulin Secretory Capacity, but Has No Effect on Insulin Sensitivity *J. P. Hosker, S. Kumar, C. Gordon, D. Bhatnagar, M. France, A. J. M. Boulton* 509

The Degree of Day-to-day Variation in Food Intake in Diabetic Patients *E. J. Close, P. G. Wiles, J. A. Lockton, D. Walmsley, J. Oldham, J. K. Wales* 514

No Increased Prevalence of Type 1 Diabetes Mellitus at Follow-up of Swedish Infants Congenitally Infected with Cytomegalovirus *S.-A. Ivarsson, B. Lindberg, K. O. Nilsson, K. Ahlfors, L. Svanberg* 521

Glucose Profiles in Children Two Years After the Onset of Type 1 Diabetes *T. Simell, O. Simell, E. Lammi, E. A. Kaprio, A. Hakulinen, J. Hakalax, J. Mäenpää* 524

Psychological Factors and Their Relationship to Diabetes Control *D. Gordon, S. G. Fisher, M. Wilson, E. Fergus, K. R. Paterson, C. G. Semple* ... 530

Action Profile of the Rapid Acting Insulin Analogue: Human Insulin B28Asp *L. Heinemann, T. Heise, L. N. Jorgensen, A. A. R. Starke* 535

Pregnancy is Not a Risk Factor for a Deterioration of Autonomic Nervous Function in Diabetic Women *K. E. J. Airaksinen, P. I. Salmela* 540

A Prospective Study of Clinical and Metabolic Associates of Proteinuria in Patients with Type 2 Diabetes Mellitus *L. Niskanen, R. Voutilainen, M. Teräsvirta, J. Lehtinen, A.-M. Teppo, L. Groop, M. Uusitupa* 543

Clinical Practice

Bacteriuria, Bacterial Virulence and Host Factors in Diabetic Patients *A. Brauner, U. Flodin, B. Hylander, C.-G. Östenson* 550

The Five-year Incidence of Blindness after Introducing a Screening Programme for Early Detection of Treatable Diabetic Retinopathy *E. Agardh, C.-D. Agardh, C. Hansson-Lundblad* 555

Accurate and Precise Blood Glucose Measurement in the Hypoglycaemic Range *K. L. Tieszen, A. E. Patrick, E. Smith, G. Williams, T. L. Dornan* 560

Glycated Haemoglobin Centiles: A Basis for Audit in Children's Clinics? *J. K. H. Wales, A. R. W. Forrest* 564

An Approach to the Use of the DO IT Study Group Guidelines for Supporting the Optimal Implementation of Information Systems in Diabetes Care *J. R. Flack, P. D. Home* 568

Case Report

Emphysematous Pyelonephritis: a Case Report and Review of the Literature *S. Pappas, Th. A. Peppas, A. Sotiropoulos, D. Katsadoros* 574

Meeting Report

Awareness of Hypoglycaemia—Problems and Perspectives, London, December 1992 *S. Pinn, E. A. M. Gale* 577

Letters

Severe Lipoatrophy with Human Insulin: Successfully Treated by CSII *E. Chantelau, M. Reuter, S. Schotes, A. A. R. Starke* 580

Editorial Guidelines for the Methods Section of Dietary Investigations *M. Nelson, B. M. Margetts, A. E. Black* 581

Media Review 582

Diabetes Care

Contents Page—Volume 16 Number 5 (1993) *by arrangement with the American Diabetes Association* 583

August/September 1993 — Number 7

DM Diary 589

Editorial

Co-ordinating Diabetes Services in a Health District *M. MacKinnon* 591

Review

Potential Therapeutic Approaches to the Treatment or Prevention of Diabetic Neuropathy: Evidence from Experimental Studies *N. E. Cameron, M. A. Cotter* 593

Original Articles

Difficulties in Classifying Diabetes at Presentation in the Young Adult *H. J. Arnqvist, B. Littorin, L. Nyström, B. Scherstén, J. Östman, G. Blohmé, F. Lithner, L. Wibell* 606

VOLUME CONTENTS

Sensori-motor Function in Older Persons with Diabetes *S. R. Lord, G. A. Caplan, R. Colagiuri, S. Colagiuri, J. A. Ward* 614

The Performance of Three Measures of Health Status in an Outpatient Diabetes Population *M. J. Bardsley, S. Astell, A. McCallum, P. D. Home* 619

Mortality Among Type 2 Diabetic Individuals and Associated Risk Factors: The Three City Study *J. M. Spraíka, J. Pankow, P. G. McGovern, L. R. French* 627

The Acute Effect of Preprandial Exogenous and Endogenous Sulphonylurea-stimulated Insulin Secretion on Postprandial Glucose Excursions in Patients with Type 2 Diabetes *P.-H. Groop, A. Melander, L. C. Groop* 633

The Relationship Between Plasminogen Activator Inhibitor-1 and Insulin Resistance in Newly-diagnosed Type 2 Diabetes Mellitus *S. C. L. Gough, P. J. S. Rice, L. McCormack, C. Chapman, P. J. Grant* 638

Comparison of Platelet Aggregability in Japanese Type 2 Diabetic Patients With and Without Microalbuminuria *T. Baba, T. Kodama, T. K. Yasuda, T. Ishizaki* 643

Altered Regulation of Cholesterol Metabolism in Type 1 Diabetic Women During the Menstrual Cycle *D. Owens, M. Cox, J. Caird, S. Gilligan, P. Collins, A. Johnson, G. H. Tomkin*..... 647

Glycaemic Responses in Type 2 Diabetic Patients to Various Mixed Meals Taken at Home *K. E. Harnden, P. A. Judd, T. D. R. Hockaday* 654

Hypoglycaemia Increases the Gastric Emptying Rate in Patients with Type 1 Diabetes Mellitus *E. Schvarcz, M. Palmér, J. Åman, B. Lindkvist, K.-W. Beckman*..... 660

Autonomic and Peripheral Nerve Function in Adolescents With and Without Diabetes *K. C. Donaghue, M. Bonney, J. M. Simpson, J. Schwingshandl, A. T. W. Fung, N. J. Howard, M. Silink*..... 664

Clinical Practice

The Effectiveness of a Primary-Care-Based Diabetes Education Service *J. Redhead, A. Hussain, P. Gedling, A. J. McCulloch* 672

Rostrum

The Description and Classification of Diabetic Foot Lesions *W. J. Jeffcoate, R. M. Macfarlane, E. M. Fletcher* 676

Diabetes Care

Contents Page—Volume 16 Number 6 (1993) *by arrangement with the American Diabetes Association* 680

October 1993 — Number 8

Erratum 685

Forthcoming Papers 685

DM Diary 686

Editorial

DCCT: Implications for Diabetes Care in the UK *A. J. M. Boulton* 687

Review

Alpha-glucosidase Inhibition as an Adjunct to the Treatment of Type 1 Diabetes *R. Tattersall*..... 688

Original Articles

Microsatellite Polymorphisms at the Glucokinase Locus: a Population Association Study in Caucasian Type 2 Diabetic Subjects *A. T. Hattersley, P. J. Saker, J. T. E. Cook, I. M. Stratton, P. Patel, M. A. Permutt, R. C. Turner, J. S. Wainscoat*..... 694

The Effect of Intensive Insulin Therapy on the Insulin-regulatable Glucose Transporter (GLUT4) Expression in Skeletal Muscle in Type 1 Diabetes *P. H. Andersen, H. Vestergaard, S. Lund, P. Vedel, S. Junker, B. B. Kahn, O. Pedersen*..... 699

Urinary Excretion and Clearance of Insulin in Diabetic and Normal Children and Adolescents *P. E. Phillips, J. A. Edge, D. A. Harris, J. D. S. Kay, P. Tomlinson, P. Hourd, D. B. Dunger*..... 707

Preservation of Renal Haemodynamic Response to an Oral Protein Load in Non-insulin-dependent Diabetes Mellitus *J. P. Vora, D. Thomas, J. R. Peters, G. A. Coles, J. D. Williams* 715

Dermatoglyphics in Type 1 Diabetes Mellitus *A.-G. Ziegler, R. Mathies, G. Ziegelmayer, H.-J. Baumgartl, A. Rodewald, V. Chopra, E. Standl* 720

Necrobiosis Lipoidica Diabeticorum: Association with Background Retinopathy, Smoking and Proteinuria. A Case Controlled Study *W. F. Kelly, J. Nicholas, J. Adams, R. Mahmood* 725

Energy Expenditure in Lean and Obese Diabetic Patients Using the Doubly Labelled Water Method *P. K. K. Chong, R. T. Jung, M. J. Rennie, C. M. Scrimgeour* 729

Absorption of Radiolabelled Soluble Insulin in Type 1 (Insulin-dependent) Diabetes: Influence of Subcutaneous Blood Flow and Anthropometry *J. P. Vora, A. Burch, J. R. Peters, D. R. Owens* 736

Application of Physicians' Predictions of Meal and Exercise Effects on Blood Glucose Control to a Computer Simulation *T. Hauser, L. V. Campbell, E. W. Kraegen, D. J. Chisholm* 744

Metabolic and Clinical Characteristics of South Asians and Europeans in Coventry *D. Simmons, M. J. Powell* 751

The Size of the Pancreas in Diabetes Mellitus *A. Alzaid, O. Aideyan, S. Nawaz.* 759

Clinical Practice

Insulin Treatment, Time-zones and Air Travel: a Survey of Current Advice from British Diabetic Clinics *G. V. Gill, S. Redmond* 764

Living with Diabetes

Living with Diabetes: Relationship to Gender, Duration and Complications. A Survey in Northern Sweden *C. Gålvels, F. Lithner, B. Börjeson* 768

International Scene

The Gulf War and Diabetes Mellitus *A. Rubinstein, M. Koffler, Y. Villa, E. Graff* 774

BDA Report

Population Screening for Diabetes Mellitus *K. R. Paterson* 777

Letters

Phimosis and Treatment for Erectile Failure *W. D. Alexander* 782

Persisting Mortality in Diabetic Ketoacidosis *O. M. P. Jolobe* 782

November 1993 Number 9

DM Diary 789

Editorial

W(h)ither Diabetes Care? *P. Selby* 791

Review

Blood Glucose Monitoring: Does Technology Help? *S. R. Page, I. Peacock* ... 793

Original Articles

Decreased Plasminogen Activator Inhibitor-1 Activity in Newly Diagnosed Type 2 Diabetic Patients Following Dietary Modification *Y. Bahru, P. Kesteven, K. G. M. M. Alberti, M. Walker* 802

Incidence of Microvascular Complications in Type 1 Diabetic Subjects with Limited Joint Mobility: a 10-Year Prospective Study *D. R. McCance, G. Crowe, M. J. Quinn, M. Smye, L. Kennedy* 807

Fasting Plasma Glucose in the Diagnosis of Diabetes Mellitus: A Study from Southern India *A. Ramachandran, C. Snehalatha, V. Vijay, M. Viswanathan* . 811

Plasma Lipid Levels at Diagnosis in Type 2 Diabetic Patients *J. M. Sosenko, M. Kato, R. Soto, R. B. Goldberg* 814

Mortality in Diabetic Patients with Cardiovascular Autonomic Neuropathy *W. Rathmann, D. Ziegler, M. Jahnke, B. Haastert, F. A. Gries* 820

Increased Red Cell Sodium Lithium Countertransport Activity, Total Exchangeable Sodium, and Hormonal Control of Sodium Balance in Normoalbuminuric Type 1 Diabetes *P. H. Winocour, C. Catalano, T. H. Thomas, R. Wilkinson, K. G. M. M. Alberti* 825

Insulin Therapy Increases Low Plasma Growth Hormone Binding Protein in Children with New-onset Type 1 Diabetes *S. A. Arslanian, R. K. Menon, A. P. Gierl, B. V. Heil, T. P. Foley, Jr* 833

Reproducibility of the Short Insulin Tolerance Test *S. Hirst, D. I. W. Phillips, S. K. Vines, P. M. Clark, C. N. Hales* 839

The Clinical Diagnosis of Sensory Neuropathy in Elderly People *F. J. Thomson, E. A. Masson, A. J. M. Boulton* 843

VOLUME CONTENTS

Low Literacy: A Problem in Diabetes Education *J. E. Overland, P. L. Hoskins, M. J. McGill, D. K. Yue* 847

Coping Behaviour and Degree of Discrepancy Between Retrospective and Prospective Self-ratings of Change in Quality of Life in Type 1 Diabetes Mellitus *A. Wikby, U. Stenström, J. O. Hörnquist, P.-O. Andersson* 851

Clinical Practice — **The First Two Years of Type 1 Diabetes in Children: Length of the Initial Hospital Stay Affects Costs but not Effectiveness of Care** *T. Simell, O. Simell, H. Sintonen* 855

Case Report — **Insulin Requirements in Lipodystrophic Diabetes** *P. F. Mora, L. C. Ramirez, D. Lender, P. Raskin* 863

International Scene — **Incidence and Prevalence of Type 1 Diabetes in Children and Adolescents in Benghazi, Libya** *O. A. Kadiki, S. E. Moawad* 866

Assessment of Diabetes Education in the Teaching Hospital, Addis Ababa, Ethiopia *Y. Bahru, J. Abdulkadir* 870

BDA Report — **Dietary Recommendations for Children and Adolescents with Diabetes: An Implementation Paper** *G. Magrath, B. V. Hartland and the Nutrition Sub-committee of the British Diabetic Association's Professional Advisory Committee* 874

Media Review 886

Diabetes Care — **Contents Page—Volume 16 Number 9 (1993)** *by arrangement with the American Diabetes Association* 887

December 1993 — Number 10

Forthcoming Papers 892

DM Diary 893

Editorial — **Cohorts of Insulin-treated Patients with Diabetes** *A. J. Swerdlow* 894

Review — **Gestational Diabetes: A Challenge for the Future** *A. Dornhorst, R. W. Beard* 897

Original Articles — **Does the Prepubertal Duration of Diabetes Influence the Onset of Microvascular Complications?** *P. G. McNally, N. T. Raymond, P. G. F. Swift, J. R. Hearnshaw, A. C. Burden* 906

Abnormal Digital Pressure Measurements in Diabetic Neuropathic Foot Ulceration *M. J. Stevens, D. E. Goss, A. V. M. Foster, D. Pitei, M. E. Edmonds, P. J. Watkins* 909

Changes in Autonomic Nervous Function over a 5-Year Period in Non Insulin-Dependent Diabetic Patients *R. Quadri, P. Ponzani, M. Zanone, S. Maule, A. La Grotta, G. Papotti, M. Valentini, C. Matteoda, L. Chiandussi, D. Fonzo* ... 916

Prevalence of QT Prolongation in a Type 1 Diabetic Population and Its Association with Autonomic Neuropathy *R. Sivieri, M. Veglio, A. Chinaglia, L. Scaglione, P. Cavallo-Perin for the Neuropathy Study Group of the Italian Society for the Study of Diabetes, Piemonte Affiliate* 920

The Toxic Effects of Serum from Patients with Type 1 Diabetes Mellitus on Mouse Neuroblastoma Cells: A New Mechanism for Development of Diabetic Autonomic Neuropathy *G. L. Pittenger, D. Liu, A. I. Vinik* 925

Reproducibility of Parameters for Assessment of Diabetic Neuropathy *P. Valensi, J.-R. Attali, S. Gagant and the French Group for Research and Study of Diabetic Neuropathy* 933

Physiological, Symptomatic and Hormonal Responses to Acute Hypoglycaemia in Type 1 Diabetic Patients with Autonomic Neuropathy *D. A. Hepburn, K. M. MacLeod, B. M. Frier* 940

Different Acute and Chronic Effects of Acipimox Treatment on Glucose and Lipid Metabolism in Patients with Type 2 Diabetes *C. Saloranta, L. Groop, A. Ekstrand, A. Franssila-Kallunki, J. Eriksson, M.-R. Taskinen* 950

	Wine for Type 2 Diabetes? *C. Christiansen, C. Thomsen, O. Rasmussen, M. Balle, C. Hauerslev, C. Hansen, K. Hermansen*	958
	Prescribed Versus Unrestricted Carbohydrate Diets in Children with Type 1 Diabetes *K. J. Price, J. D. Lang, C. Eiser, J. H. Tripp*	962
Clinical Practice	**What do People with Diabetes Want to Talk About With Their Doctors?** *I. J. Benett*	968
	Pre-mixed Insulin Delivered by Disposable Pen in the Management of Children with Diabetes *M. O'Hagan, S. A. Greene*	972
	Evaluation of Glycaemic Control Limits Using the Ames DCA 2000 HbA_{1c} Analyser *A. G. Rumley, E. S. Kilpatrick, M. H. Dominiczak, M. Small*	976
Case Report	**Alternative Medicine: Potential Dangers for the Diabetic Foot** *D. L. Ewins, K. Bakker, M. J. Young, A. J. M. Boulton*	980
Living with Diabetes	**Education and Employment for Young People with Diabetes** *N. Robinson, L. K. Stevens, L. E. Protopapa*	983
Working Party Report	**Consensus Guidelines for the Management of Insulin-dependent (Type 1) Diabetes** *European IDDM Policy Group*	990
Letters	**Diabetes Mellitus and Employment** *R. G. Moses, R. Griffiths*	1006
	Diabetes Mellitus and Employment Discrimination *R. G. Moses, R. Griffiths*	1006
Media Review		1007
Diabetes Care	**Contents Page—Volume 16 Number 10 (1993)** *by arrangement with the American Diabetes Association*	1008
Author Index		1009
Keyword Index		1012